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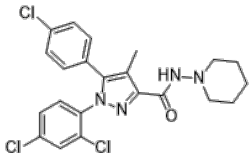
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	SR141716
Cat. No.	:	PC-22188
CAS No.	:	168273-06-1
Molecular Formula	:	$C_{22}H_{21}Cl_3N_4O$
Molecular Weight	:	463.79
Target	:	Cannabinoid Receptor
Solubility	:	10 mM in DMSO



Biological Activity

Rimonabant (SR141716) is a highly potent, brain penetrated and selective central cannabinoid receptor (CB1) antagonist with Ki of 1.8 nM, no affinity for peripheral cannabinoid receptor.
Rimonabant (SR141716) antagonizes the inhibitory effects of cannabinoid receptor agonists on both mouse vas deferens contractions and dopamine-stimulated adenylyl cyclase activities in rat brain membranes.
After oral administration Rimonabant (SR141716) totally inhibited the ex vivo [3H]-CP55,940 binding to cerebral membranes with a ED50 value of 3.5 mg/kg.
Rimonabant (SR141716) antagonizes the classical pharmacological responses elicited by cannabinoid receptor agonists.
Rimonabant (SR141716) reverses the inhibitory effect of WIN55212-2 on isoniazid-induced elevation of cGMP in rat cerebellum.

References

Yaksh TL, et al. J Pharmacol Exp Ther. 2006 Jan;316(1):466-75.

Rinaldi-Carmona M, et al. FEBS Lett. 1994 Aug 22;350(2-3):240-4.

E-mail: tech@probechem.com